

What is claimed is:

1. A method of organizing digital audio tracks on a predetermined media for selection by an audio player, said 5 predetermined media storing said digital audio tracks in a directory-based file system, said method comprising the steps of:

scanning said predetermined media to locate each of said digital audio tracks and to determine a total number of 10 tracks;

numbering said digital audio tracks with a flat-file selection number from a first flat-file selection number to a last flat-file selection number in a flat file mode;

numbering each directory within said file system 15 containing at least one of said digital audio tracks from a first directory number to a last directory number in a single-level directory mode;

numbering digital audio tracks within each numbered directory with an in-directory selection number from a 20 respective first in-directory selection number to a respective last in-directory selection number;

selecting either said flat file mode or said directory mode;

when in said flat file mode, searching for a desired 25 digital audio track by sequentially navigating through said flat-file selection numbers; and

when in said directory mode, selecting a desired directory and then searching for a desired digital audio track by sequentially navigating through said in-directory 30 selection numbers.

2. The method of claim 1 wherein said first flat-file selection number equals 1 and said last flat-file selection number equals said total number of tracks.

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3. The method of claim 1 wherein said first in-directory selection number in each respective numbered directory is equal to 1.

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4. The method of claim 3 wherein each respective last in-directory selection number is equal to a total number of said digital audio tracks contained within its
5 respective directory.

10 5. The method of claim 1 wherein said scanning step is comprised of compiling and storing in an index table a respective flat-file selection number, a directory number, and an in-directory selection number assigned to each digital audio track found during said scanning.

15 6. The method of claim 1 wherein said digital audio tracks are identified by a respective file extension in their respective file names of said file system.

7. The method of claim 6 wherein said digital audio tracks are encoded as MP3 files.

20 8. The method of claim 1 wherein said predetermined media is comprised of a CD-ROM disc.

25 9. An audio player for reproducing selections from a predetermined media containing digital audio tracks stored in a directory-based file system, said audio player comprising:

30 a display showing selection number identifying data;
a user control interface for selecting either a flat-file mode or a directory mode and for navigating sequentially through said selection number identifying data; and

35 a controller for scanning said predetermined media to locate each of said digital audio tracks and to determine a total number of tracks, for numbering said digital audio tracks with a flat-file selection number from a first flat-file selection number to a last flat-file selection number in said flat file mode, for numbering each directory within said file system containing at least one of said digital

audio tracks from a first directory number to a last directory number in said directory mode, and for numbering digital audio tracks within each numbered directory with an in-directory selection number from a respective first in-directory selection number to a respective last in-directory selection number;

wherein, when in said flat file mode, said controller is responsive to said user control interface for searching for a desired digital audio track by sequentially navigating through said flat-file selection numbers; and

wherein, when in said directory mode, said controller is responsive to said user control interface for selecting a desired directory and then for searching for a desired digital audio track by sequentially navigating through said in-directory selection numbers.

10. The audio player of claim 9 wherein said display
further shows an indicator according to a one of said flat
file mode or said directory mode that is selected at a
particular time.

11. The audio player of claim 9 wherein said selection number identifying data shown on said display is a flat-file selection number while in said flat file mode, and wherein said selection number identifying data shown on said display includes an in-directory selection number while in said directory mode.

12. The audio player of claim 11 wherein said
30 selection number identifying data for said directory mode is
comprised of a directory number followed by an in-directory
selection number.

13. The audio player of claim 9 wherein said display
35 further shows a wait message during said scanning of said
predetermined media.

14. The audio player of claim 9 further comprising:

an index table compiled during said scanning of said predetermined media for storing a respective flat-file selection number, a directory number, and an in-directory selection number assigned to each digital audio track found
5 during said scanning.